

Application Serial No: 10/624,171  
In reply to Office Action of 6 December 2004

Attorney Docket No. 78906

#### AMENDMENTS TO THE CLAIMS

1. (currently amended) An electronic monitor for detecting the presence and absence of a locking bar that mates with a cabinet with the presence thereof preventing the opening of one or more drawers being housed by said cabinet, said electronic monitor comprising:

a first electrode fixed at a predetermined location on said locking bar;

current sensing network comprising;

source of electrical excitation having first and second ends;

current sensor having first and second ends and generating an output upon detecting current flow with the first end thereof connected to said second end of said source of electrical excitation;

second and third electrodes spaced apart from each other with the second electrode connected to said first end of said source of electrical excitation and said third

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electrode connected to said second end of said current sensor, said second electrode and third electrode being located in a predetermined manner so as to come into contact with said first electrode when said locking bar mates with said cabinet; and

a transmitter connected to said output of said current sensor and generating a predetermined signal of a selected communication link upon said detection of a change in said current flow.

2. (original) The electronic monitor according to claim 1 further comprising a guiding assembly for assisting alignment of said second and third electrodes with said first electrode when said locking bar mates with said cabinet.

3. (currently amended) The electronic monitor according to claim 2, ~~wherein~~ said guiding assembly ~~comprises a magnetic assembly~~ comprising[{}];

a first magnetic positioned on said locking bar positioned adjacent said first electrode; and

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a second magnetic positioned on said cabinet positioned adjacent said second and third electrodes.

4. (original) The electronic monitor according to claim 1 wherein said predetermined signal is a Radio Frequency (RF) signal.
5. (original) The electronic monitor according to claim 1 wherein said communication link is selected from the group consisting of a Frequency Shift Key (FSK) technique and an Amplitude Shift Key (ASK) technique.
6. (original) The electronic monitor according to claim 1 wherein said predetermined signal comprises a series of RF pulses and, wherein at least ten (10) RF pulses occur within duration of about 200 milliseconds.
7. (original) The electronic monitor according to claim 1 further comprising a test switch connected across said second and third electrodes.
8. (original) An electronic monitoring system for detecting and displaying at a central location the presence and absence of one

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or more fasteners that respectively secure one or more cabinets with the presence thereof preventing the opening of one or more drawers being housed in each of the one or more cabinets, said electronic monitoring system comprising;

first electrode fixed at a predetermined location in each of said respective fasteners;

a current sensing network for each of said one or more cabinets and having second and third electrodes located in a respective cabinet in a predetermined manner so that said first electrode of a respective fastener contacts both said second and third electrodes of its respective cabinet when said respective fastener secures said respective cabinet, said current sensing network generating an output signal upon sensing a change in current flow;

a transmitter located in each of said cabinets and connected to said output of a respective current sensing network and generating a predetermined signal of a selected communication link upon detection of said change in said current flow, each of said

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transmitters generating predetermined signals that are different from each of said transmitters; and

a receiver located at said central location and accepting and recognizing all of said different predetermined signals of all of said transmitters and generating respective output signals representative of said presence and absence of respective fasteners being attached to respective cabinets.

9. (original) The electronic monitoring system according to claim 8 wherein said predetermined signals are Radio Frequency (RF) signals.

10. (original) The electronic monitoring system according to claim 9 wherein said communication link is selected from the group consisting of a Frequency Shift Key (FSK) technique and an Amplitude Shift Key (ASK) technique.

11. (original) The electronic monitor system according to claim 8 further comprising a test switch connected across said second and third electrodes.

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12. (original) The electronic monitoring system according to claim 8 wherein all of said predetermined signals of all of said transmitters are within a band of frequencies and each of said transmitters generates a particular wave form different from each other and wherein said receiver comprises:

an antenna receiving all of said different signals from all of said transmitters and providing a respective output thereof;

a band pass filter selected to receive and pass all of said predetermined signals within said band of frequencies, said band pass filter providing a representative output thereof;

one or more matched filters each connected to said output of said band pass filter and each separately selected to receive and pass a particular waveform comprising an output signal and corresponding to a respective transmitter; and

a signal processor connected to receive each of said output signals of each of said one or more matched filters

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and providing a respective output signal  
representative of the presence and absence of said  
fastener being secured to a respective cabinet.

13. (original) The electronic monitoring system according to  
claim 12 further comprising indicator devices respectively  
connected to receive each of said representative output of said  
signal processor.

14. (original) The electronic monitoring system according to  
claim 13 wherein said processor counts output signals of each of  
said matched filters and wherein said electronic monitoring  
system further includes a storage device associated with a  
respective matched filter and wherein said processor stores the  
counted output signals of respective matched filters.

15. (original) A method for providing electronic monitoring for  
detecting at a central location the presence and absence of one  
or more fasteners that respectively secure one or more cabinets  
with the presence thereof preventing the opening of one or more  
drawers being housed in each of the one or more cabinets, said  
method comprising the steps of:

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providing a first electrode fixed at a predetermined

location in each of said respective fasteners;

providing a current sensing network for each of said one or

more cabinets and having second and third electrodes

and generating a current flow when said first, second

and third electrodes are in contact, said current

sensing network generating an output signal upon

sensing a change in said current flow;

locating said second and third electrodes on each

respective cabinet in a predetermined manner so that

said first electrode of a respective fastener contacts

both said second and third electrodes of its

respective cabinet when said respective fastener

secures respective cabinet;

providing a transmitter located on each of said cabinets

and connected to said output of respective current

sensing network and which generates predetermined

signals of a selected communication link upon

detection of said output of said current sensing

network, each of said transmitters generating



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predetermined signals that are different from each of  
said transmitters; and

providing a receiver located at said central location that  
accepts and recognizes all of said different  
predetermined signals of all of said transmitters and  
generates respective output signals representative of  
said presence and absence of respective fasteners.

16. (original) The method according to claim 15 wherein said  
communication link is selected from the group consisting of a  
Frequency Shift Key (FSK) technique and an Amplitude Shift Key  
(ASK) technique.

17. (original) The method according to claim 16 wherein said  
predetermined signal comprises a series of RF pulses and,  
wherein said RF pulses occur within a predetermined duration.

18. (original) The method according to claim 17 wherein at least  
ten (10) RF pulses occur within duration of about 200  
milliseconds.

19. (original) The method according to claim 16 wherein said RF  
pulses represent a binary code.

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20. (original) The method according to claim 15 further comprises providing a test switch connected across said second and third electrodes.